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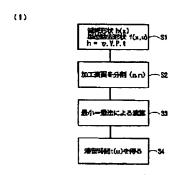
## (54) POLISHING METHOD AND POLISHING DEVICE

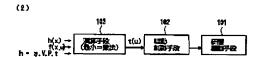
(57) Abstract:

PROBLEM TO BE SOLVED: To obtain a sufficiently accurate solution regarding the residence time of a polishing tool through a short calculation time by dividing the processing surface of a work, on which the polishing tool is to be abutted, into a specific size, providing the unit removal shape of the polishing tool and the target depletion distribution, and finding the residence time of the polishing tool through a minimum square method.

SOLUTION: A drive control means 102 for controlling the drive of a polishing drive means 101 based on the residence time t(u) found by a calculation means 103 is provided. The processing surface of a work on which the polishing tool is to be abutted is divided into a plurality of areas (S1, S2), and through the calculation by a minimum square method based on the rule of thumb of preston, which is  $h=\eta.v.p.t$  (h: depletion quantity,  $\eta$ : proportional constant, v: relative speed, p: pressure, t: residence time), the residence time t(u) of the polishing tool is found (S3, S4).

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# **POLISHING METHOD AND**





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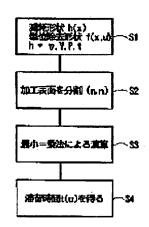
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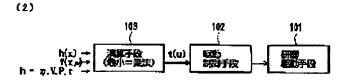
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## Abstract of JP9066464

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